

<222> (591)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (607)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (609)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (616)  
 <223> a, t, c, g, other or unknown

<400> 119  
 aggtgaccgt ggggggatggg gccgtgggga agacttgtat gctcatctcc tacacaagca 60  
 acacgtttcc aacggattac gtgccgactg tttttgacaa ttttagtgca aatgtggttg 120  
 ttgatggcaa tacagtaaac cttggcttgt gggacactgc agggcaagaa gattacaaca 180  
 gactgaggcc attgagttat agaggtgcag atgcttttct gcttgccctt tctctgatca 240  
 gcaaggctag ttatgaaaat atatcaaaga agtggattcc agaacttaga cattatgcac 300  
 caaatgtgcc aatcattctt gtgggaacta aattagattt gcgtgatgac aagcagttct 360  
 ttgctgatca tcctggagca gccctataa caacagctca aggtgaagag ttgaagaagc 420  
 agattggagc agcagcatat attgagtgc gttccaaaac ccagcagaat gtcaaggctg 480  
 tttttgatgc tgcaattaaa gtggttcttc agccaccaa gcagaaaaag cggagaaaaa 540  
 agcagaaaaa ttgttctatt ctctaagaaa aatgtggatg ttctgaacgc ncttcaactga 600  
 caataangnt gacgtnggaa tatcttcttc c 631

<210> 120  
 <211> 443  
 <212> DNA  
 <213> Pinus taeda

<400> 120  
 aggtgaccgt aagcacaagt cgtcaaaatt atctctatct cggcagtaaa aacctatagc 60  
 taatgatgga tcaataccac taagtggcag ctggcgtaca tctctgcaat gataagaacc 120  
 agtatcagtc cccatataat caggagatat ctccagcacc tgctgcacta catgtggatc 180  
 ttagtacaga gctgatcat cctgaacacc aacaatatac gttgaagctc cgggctttcc 240  
 accagcaata ccaagacttt ggggaaatgt gaacgtttca cgaagtgatg gtacatacct 300  
 tgggttgatc ttctctacac caagaacaag cggcaccaaa atcaggatag gcacttggtc 360  
 ttccccttct ccattggacc actctgaaca caagcctcgc agcatcatca atgcagataa 420  
 ctgggcgccc tcacaggtca ctt 443

<210> 121  
 <211> 327  
 <212> DNA  
 <213> Pinus taeda

<400> 121  
 aggtgaccgt gccatagcgc atggcgtgta actggatgag accgcatggc tcaaattctgc 60  
 taggaatcaa catgaaatca gctccagctg ttatcatatg agcaagtggc acgttaaact 120  
 ttgctactcc cctgacgttg tctggatatt tctcttcaag ctcttcaagc tgcttctcca 180  
 agtacttttt accggtgcct aggataatta actgcacgtt ttcattctgca attagagggg 240

cagcttcagc aagaatatct ggacctttct gctcttcaag tcttccaata aatcctataa 300  
caggaatatc tggatccacg gtcacct 327

<210> 122  
<211> 284  
<212> DNA  
<213> Pinus taeda

<400> 122  
atgtgaccgt caaaagggca tataaatcgg ggagctcaat ggcaagaatg tacgatttct 60  
ggcctcaagt cgccctgaat ttggtcaaca acatcttgat agagcgagag gacgctccca 120  
attaagatct ggaaactgtc gagagtgatt gaggtcattt ttaatctaaa ctgaattgtg 180  
gggacaattt ttcaattcag atccttctag caaagcaaag caaagcttaa cagtattgta 240  
tccatgagaa tggattctgc acaggtcagg ctccacggtc acct 284

<210> 123  
<211> 412  
<212> DNA  
<213> Pinus taeda

<400> 123  
aggtagaccgt ggagaagaga acgctttgcc gactctctgg gatgcccttc cctccatagc 60  
cgtcgtggga ggacagagct ccgggaaatc ctctgtgctg gagagcatcg ttggaaggga 120  
ttttttaccg cgtggatcag gtattgttac tagacggccg cttgtccttc aacttcacaa 180  
gactgatgaa ggcagcaggg attacgcga attccttcac caaccagaa agaaatacac 240  
cgactttgca ctggtaagga aggaaattgc ggatgagact gatcgaatta cagggcgctc 300  
caagcaagtc tcaagtgtcc caattcacct tagtatttat tcaccaatg tttgtaaatt 360  
tgactctaatt tgatctccct gggttgacaa aagtggctat tgacggtcac ct 412

<210> 124  
<211> 235  
<212> DNA  
<213> Pinus taeda

<400> 124  
aggtagaccgt gcaatattgt attccaggac caagtactta ggacagaatc aggttacgag 60  
tggctccact ccacaatacg atgttcatcg ttttgatcac aatacagggtt tgttagtcca 120  
agtaggtgcy ctgctgcaga cagtggggca gccctcgtgg gcttggactg cctgtcatac 180  
tgttctctcc ttgcttcagg ctctactgct gttgctgctg ctgatacggc cacct 235

<210> 125  
<211> 353  
<212> DNA  
<213> Pinus taeda

<400> 125  
aggtagaccgt acatacaagg tcttatcacc agcagcaaga ataatacagtt ggccatcttc 60  
tgcaggcttc ttgctgcctg agacaggagc ctcaagaaat cttccccctt tttcaatgat 120  
tgccctcattg atctttgttg aagtgatagt atcaactggt gacatgtcaa tgtatccttt 180  
tcctgtacac atttgctcta ggacaccatc cgagagggca gcaggaggat cagacaggat 240  
ggctatggta tagttgcact tctttacaac ttggcgagga gtgcttctta tggaagcacc 300  
ttgctgaaca agttcttcac acctagacat tgtcctattc cacacgggtc cct 353

<210> 126  
 <211> 355  
 <212> DNA  
 <213> Pinus taeda

<400> 126  
 ggtgaccgta catacaagggt cttatcacca gcagcaagaa taatcagttg gccatcttct 60  
 gcaggcttct ggctgcctga gacaggagcc tcatgaaatc ttccccctt ttcaatgatt 120  
 gcctcattga tctttgttga aatgataata tcaactgttg acatgtcaat gtatcctttg 180  
 tcctgtacac atttgcctta ggacaccatc cgagagggca gcaggaggat cagacaggat 240  
 ggctatggta tagtcgcact tctttacaac ttcggcagga gtgcttccta tggaaagcacc 300  
 ttgctgaaca aagttcttca cacctagaca tttgtcctat tccgcacggg cacct 355

<210> 127  
 <211> 441  
 <212> DNA  
 <213> Pinus taeda

<400> 127  
 aggtgaccgt ggaggggctc cagttatctg cattgatgat gctgcgaggc tgtgttcaga 60  
 gtggtccaat ggagaagggg aagaccaagt gcctatcctg attttggtgc cgcttggtct 120  
 tgggttagag aagatcaacc caaggatgt accatcactt cgtgaaacgt tcacatttcc 180  
 ccaaagtctt ggtattgctg gtggaaagcc tggagcttca acgtatattg ttggtgttca 240  
 ggatgatcag gctctgtact tagatccaca tgtagtgcag caggtgggtg agatatctcc 300  
 tgataatatg ggggttgata ctggttctta tcattgcagt gatgttcgcc actgccactt 360  
 aatgctattg atccatcatt agctataggt ttttactgcc cggaatagaa ataattttga 420  
 caacttgtgc ttacgggcacc t 441

<210> 128  
 <211> 437  
 <212> DNA  
 <213> Pinus taeda

<400> 128  
 aggtgaccgt ggaggggctc cagttatctg cattgatgat gctgcgaggc tgtgttcaga 60  
 gtggtccaat ggagaagggg aagaccaagt gcctatcctg attttggtgc cgcttggtct 120  
 tgggttagag aagatcaacc caaggatgt accatcactt cgtgaaacgt tcacatttcc 180  
 ccaaagtctt ggtattgctg gtggaaagcc tggagcttca acgtatattg ttggtgttca 240  
 ggatgatcag gctctgtact tagatccaca tgtagtgcag caggtgggtg agatatctcc 300  
 tgataatatg ggggttgata ctggttctta tcattgcagt gatgtacca ctgccactta 360  
 gtgctattga tccatcatta gctataggtt ttactgccgg aatagaaaaa ttttgacaac 420  
 ttgtgcttac ggccct 437

<210> 129  
 <211> 434  
 <212> DNA  
 <213> Pinus taeda

<400> 129  
 aggtgaccgt gctaggacac acaatttctc agcaaggatt acaggtggat cctaacaaaa 60  
 ttgctataat tcaaaagggt ccacctcctt aaaaggtaag agatgttttg agttttctag 120  
 gcttggcagg atattataga agattcatca aagatttcat taagctagcc tcgccattgt 180  
 ctagcctctt agggaaagat gttgagtttc aatggactga tgactgccaa ggggctctgg 240  
 atgagttgag agataagctg gtatccgccc cgatcttgag aggtctaaac tgggccctac 300  
 ctttccacat ccacattgat gcctcgaaca aagccatagg ggcagcctta ggacaagttg 360